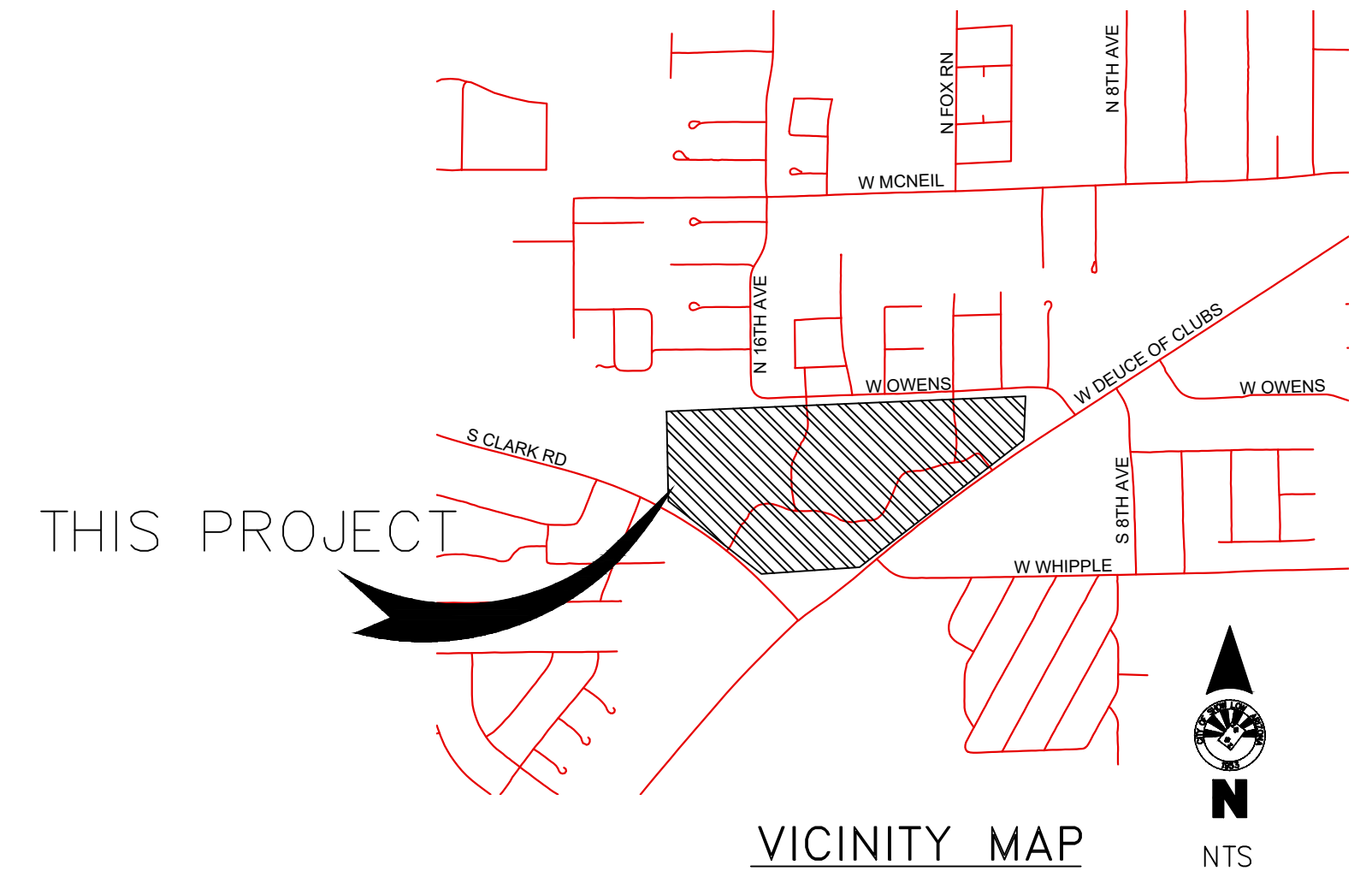




LOCATION MAP

CITY OF SHOW LOW PUBLIC RESTROOM AT SHOW LOW CITY PARK COSL #FM-1922A



VICINITY MAP



MAYOR: JOHN LEECH, JR.

VICE MAYOR: CONNIE KAKAVAS

CITY COUNCIL:

JOHN ADAMS
MIKE ALLSOP
BRANDT CLARK
BRENT HATCH
BRYCE JUDD

CITY MANAGER: ED MUDER

PUBLIC WORKS DIRECTOR: WILLIAM KOPP, P.E.

APPROVAL

CITY OF SHOW LOW PUBLIC WORKS DIRECTOR _____ DATE _____

SHEET INDEX

- 1 COVER SHEET
- 2 NOTES SHEET
- 3 DETAILS SHEET
- 4-5 OLD PAVILION RESTROOM

"NAMED BY THE TURN OF A CARD"



CITY OF SHOW LOW

CITY OF SHOW LOW
ENGINEERING DIVISION

180 N. 9th Street
Show Low, Arizona 86501
Ph. (928) 532-4050
Fax (928) 532-4009

COVER SHEET

PUBLIC RESTROOM
At Show Low City Park

DRN: TCJ	DATE: 09/2021	JOB NO.	SHEET
DES: TCJ	DATE: 09/2021	FM-1922A	1 OF 5
CHD: SMH	DATE: 09/2021		
DRAWING NAME: CDBG RESTROOMS.dwg			



GENERAL

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, AND CITY OF SHOW LOW (COSL) SPECIFICATIONS AS APPLICABLE. ALL THE STANDARD DETAILS AND SPECIFICATIONS HAVE BEEN REVIEWED AND THEY MEET MINIMUM DESIGN REQUIREMENTS OF THE MAG STANDARD DETAILS AND SPECIFICATIONS.
2. STANDARD DETAILS REFER TO THE MAG STANDARD DETAILS OR COSL SUPPLEMENTAL SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION UNLESS OTHERWISE NOTED OR MODIFIED ON PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THEIR RESPECTIVE AGENCIES. ARIZONA NDES IS REQUIRED.
4. THE CONTRACTOR SHALL COMPLY TO ALL APPLICABLE LOCAL, STATE, AND NATIONAL SAFETY CODES, RULES AND REGULATIONS, AND REQUIREMENTS SHALL BE OBSERVED AND COMPLIED TO AT ALL TIMES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ALL WASTE MATERIAL AND CONSTRUCTION DEBRIS SUCH AS OLD CULVERTS, BROKEN CONCRETE, ETC.
6. PRIOR TO BIDDING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS AND REQUIREMENTS OF THE WORK.
7. ALL EXISTING UTILITY LINES SHOWN ON THE PLANS ARE FROM AVAILABLE UTILITY RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETERMINING AND VERIFICATION OF ACTUAL FIELD LOCATIONS OF PUBLIC UTILITIES BEFORE STARTING CONSTRUCTION. CALL BLUESTAKE AT 1-602-263-1100 OR 1-800-STAKE-IT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND PIPELINES, UTILITIES AND STRUCTURES IN ADVANCE OF CONSTRUCTION AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO RETAIN, PROTECT, AND AVOID DAMAGE TO SUCH. THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS SHOWN ON THE PLANS, OR THOSE OMITTED. POTHOLE PER BLUESTAKE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE REMOVAL, CONNECTION TIE-IN'S AND/OR REPLACEMENT OF ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY(S).
10. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLANS.
11. ANY FUTURE IMPROVEMENTS SHOWN HEREON SHALL REQUIRE A SEPARATE PERMIT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF EROSION PROTECTION PLAN AND IMPLEMENT SAID PLAN FOR THE PROTECTION OF SITE AND ADJACENT PROPERTIES DURING CONSTRUCTION. THE EROSION PROTECTION PLAN IS SUBJECT TO APPROVAL OF ENGINEER. ANY POINTS OF DRAINAGE CONCENTRATION SHALL BE PROTECTED AGAINST EROSION AND SILT. AZPDOS IS REQUIRED. DOCUMENTATION TO BE PROVIDED TO THE CITY OF SHOW LOW.
13. ANY WORK AND MATERIAL NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
14. ALL EXISTING AND NEW FRAMES, COVERS, VALVE BOXES AND WATER METER BOXES SHALL BE ADJUSTED TO FINISH GRADE BY CONTRACTOR PER MAG SPECIFICATIONS, SECTION 345 AND CITY OF SHOW LOW SUPPLEMENTAL SPECIFICATIONS.
15. THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON-HAND AT THE JOB SITE FOR MAINTAINING DUST CONTROL AND SHALL CONTROL DUST AS DIRECTED BY THE OWNERS REPRESENTATIVE.
16. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CLEANUP IS COMPLETED, INCLUDING, BUT NOT LIMITED TO, CURBS, PAVEMENTS AND SIDEWALKS SWEEPED CLEAN OF ALL DIRT AND DEBRIS.
17. SHOULD THE CONTRACTOR ENCOUNTER, DURING HIS OPERATIONS, ANY ARCHEOLOGICAL OF HISTORICAL FINDINGS, HE SHALL IMMEDIATELY CEASE OPERATIONS IN THE LOCATION AND NOTIFY THE OWNER.
18. ANY REVISIONS TO THE APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF SHOW LOW ENGINEERING DEPARTMENT FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, CONFLICTS, ETC. FOUND WITHIN THIS DRAWING SET, APPLICABLE SPECIFICATIONS, AND DETAILS.
20. ALL SIGNS TO BE DG3 SHEETING. SIGN POST BASE TO BE CONCRETED IN GROUND. BASE TO BE 12" DIA., 18" DEEP WITH 6" OF BASE SHOWING ABOVE GRADE. MAIN POST TO BE ATTACHED TO BASE WITH BREAKAWAY BOLTS. PLACEMENT OF SIGNS TO CONFORM TO MUTCD SPECIFICATIONS. STREET SIGNS MUST BE, 6" LETTERS FOR STREET NAME, 3" LETTERS FOR ADDRESSING AND STOP SIGNS MUST BE 24".

GRADING, CLEARING, EARTHWORK

1. ALL EARTHWORK SHALL BE CONDUCTED IN ACCORDANCE WITH STANDARD CURRENT MAG SPECIFICATIONS, PART 200 OR AS SPECIFIED ON PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CLEARING, STRIPING, GRUBBING, TREE MOVES, AND SUMPING WITHIN AREAS OF NEW IMPROVEMENTS. ALL CLEARING AND WASTE MATERIAL SHALL BE REMOVED FROM SITE AT CONTRACTORS EXPENSE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF QUANTITIES OF MATERIAL TO BE REMOVED, SUCH AS TREES AND STUMPS.
3. AREAS UNDERLYING STRUCTURAL IMPROVEMENTS, INCLUDED, BUT NOT LIMITED TO, PAVEMENT, NEW BUILDING, CURB, AND ALL TREES AND NATURAL VEGETATION OUTSIDE OF CLEARING LIMITS SHALL BE RETAINED AND PROTECTED. SIDEWALK SHALL BE STRIPPED OF 6 INCHES EXISTING MATERIAL OR AS DETERMINED BY THE ENGINEER.

SUBGRADE PREPARATION

1. ALL SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG SPECIFICATIONS, SECTION 301, BEFORE APPLICATION OF BASE COURSE.
2. THE TOP 9" OF EXISTING SUBGRADE SHALL BE SCARIFIED, MOISTENED, SHAPED, AND RECOMPACTED TO 95% OF ASTM D698.
3. FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 8" LOOSE THICKNESS AND COMPACTED TO 95% OF ASTM D698 AND PER DIRECTION OF GEOTECHNICAL ENGINEERING REPORT FOR THE PROJECT

AGGREGATE BASE COURSE

1. ALL BASE COURSE MATERIAL SHALL BE PLACED IN ACCORDANCE WITH MAG SPECIFICATIONS SECTION 310 OR ADOT CLASS II PER SECTION 303.
2. MATERIAL SHALL BE AGGREGATE BASE CONFORMING TO MAG SPECIFICATIONS SECTION 702 OR ADOT CLASS II PER SECTION 303 AND SHALL BE COMPACTED TO 100% MAXIMUM DENSITY PER ASTM D698.
3. ALL BASE COURSE MATERIAL SHALL BE OF THE CRUSHED AGGREGATE TYPE.

PAVEMENT

1. ALL PLACEMENT OF ASPHALT CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH MAG SPECIFICATIONS SECTION 321.
2. MATERIAL AND MANUFACTURER SHALL CONFORM WITH MAG SPECIFICATION SECTION 710 OR ADOT SPECIFICATION SECTION 409. ASPHALT MIX GRADATION SHALL BE 3/4".
3. ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN BASE COURSE SURFACE IS APPROVED AND ACCEPTED BY THE ENGINEER AND WHEN THE ATMOSPHERIC TEMPERATURE IN THE SHADE IS 40 DEGREES F. AND RISING.
4. EXACT POINT OF MATCHING, TERMINATION AND OVERLAY, IF NECESSARY, MAY BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENGINEER.
5. ASPHALT JOB MIX SHALL BE SUBMITTED TO THE ENGINEER 2 WEEKS PRIOR TO PLACEMENT AND APPROVED BY THE ENGINEER.
6. AC SHALL BE PAVING GRADE 64-22-5.0% MIN ASPHALT QUANTITY- 19 MM (3/4") AGGREGATE.
7. PRESERVATIVE SEAL ON STREETS CLASSIFIED AS RESIDENTIAL AND LOCAL COLLECTOR SHALL BE IN ACCORDANCE WITH MAG SECTION 718, POLYMER MODIFIED TYPE 'D'. AT THE CITY'S DISCRETION, CASH-IN-LIEU OF THE INSTALLATION OF THE PRESERVATIVE SEAL MAY BE REQUIRED. THIS COST WILL BE ESTIMATED BASED ON THE PAVED AREA MULTIPLIED BY A FAIR MARKET UNIT COST.

UNDERGROUND UTILITY STATEMENT

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND OF CONSTRUCTION AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO SUCH. THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS SHOWN ON THE PLANS, OR THOSE OMITTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CLEARING, STRIPING, GRUBBING, TREE MOVES, AND SUMPING WITHIN AREAS OF NEW IMPROVEMENTS. ALL CLEARING AND WASTE MATERIAL SHALL BE REMOVED FROM SITE AT CONTRACTORS EXPENSE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF QUANTITIES OF MATERIAL TO BE REMOVED, SUCH AS TREES AND STUMPS.
3. AREAS UNDERLYING STRUCTURAL IMPROVEMENTS, INCLUDED, BUT NOT LIMITED TO, PAVEMENT, NEW BUILDING, CURB, AND ALL TREES AND NATURAL VEGETATION OUTSIDE OF CLEARING LIMITS SHALL BE RETAINED AND PROTECTED. SIDEWALK SHALL BE STRIPPED OF 6 INCHES EXISTING MATERIAL OR AS DETERMINED BY THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND PIPELINES, UTILITIES AND STRUCTURES IN ADVANCE OF CONSTRUCTION AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO RETAIN, PROTECT, AND AVOID DAMAGE TO SUCH. THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS SHOWN ON THE PLANS, OR THOSE OMITTED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE REMOVAL, CONNECTION TIE-IN'S AND/OR REPLACEMENT OF ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY(S).
6. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLANS.
7. ANY FUTURE IMPROVEMENTS SHOWN HEREON SHALL REQUIRE A SEPARATE PERMIT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF EROSION PROTECTION PLAN AND IMPLEMENT SAID PLAN FOR THE PROTECTION OF SITE AND ADJACENT PROPERTIES DURING CONSTRUCTION. THE EROSION PROTECTION PLAN IS SUBJECT TO APPROVAL OF ENGINEER. ANY POINTS OF DRAINAGE CONCENTRATION SHALL BE PROTECTED AGAINST EROSION AND SILT. AZPDOS IS REQUIRED. DOCUMENTATION TO BE PROVIDED TO THE CITY OF SHOW LOW.
9. ANY WORK AND MATERIAL NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
10. ALL EXISTING AND NEW FRAMES, COVERS, VALVE BOXES AND WATER METER BOXES SHALL BE ADJUSTED TO FINISH GRADE BY CONTRACTOR PER MAG SPECIFICATIONS, SECTION 345 AND CITY OF SHOW LOW SUPPLEMENTAL SPECIFICATIONS.
11. THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON-HAND AT THE JOB SITE FOR MAINTAINING DUST CONTROL AND SHALL CONTROL DUST AS DIRECTED BY THE OWNERS REPRESENTATIVE.
12. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CLEANUP IS COMPLETED, INCLUDING, BUT NOT LIMITED TO, CURBS, PAVEMENTS AND SIDEWALKS SWEEPED CLEAN OF ALL DIRT AND DEBRIS.
13. SHOULD THE CONTRACTOR ENCOUNTER, DURING HIS OPERATIONS, ANY ARCHEOLOGICAL OF HISTORICAL FINDINGS, HE SHALL IMMEDIATELY CEASE OPERATIONS IN THE LOCATION AND NOTIFY THE OWNER.
14. ANY REVISIONS TO THE APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF SHOW LOW ENGINEERING DEPARTMENT FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION.
15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, CONFLICTS, ETC. FOUND WITHIN THIS DRAWING SET, APPLICABLE SPECIFICATIONS, AND DETAILS.
16. ALL SIGNS TO BE DG3 SHEETING. SIGN POST BASE TO BE CONCRETED IN GROUND. BASE TO BE 12" DIA., 18" DEEP WITH 6" OF BASE SHOWING ABOVE GRADE. MAIN POST TO BE ATTACHED TO BASE WITH BREAKAWAY BOLTS. PLACEMENT OF SIGNS TO CONFORM TO MUTCD SPECIFICATIONS. STREET SIGNS MUST BE, 6" LETTERS FOR STREET NAME, 3" LETTERS FOR ADDRESSING AND STOP SIGNS MUST BE 24".

SEWER (CITY OF SHOW LOW)

1. ALL WATER AND SEWER LINE SEPARATION FOR MAINS SHALL CONFORM TO ARIZONA ADMINISTRATION CODES (AAC) R18-4-502 AND AAC R18-9-E301. SEPARATION REQUIREMENT FOR WATER AND SEWER SERVICE LINES SHALL BE GOVERNED BY LOCAL GOVERNMENT ORDINANCE AND THE ARIZONA UNIFORM PLUMBING CODE. WATER AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION. ALL DISTANCES ARE MEASURED PERPENDICULAR FROM THE OUTSIDE OF THE SEWER MAIN TO THE OUTSIDE OF THE WATER MAIN SEPARATION REQUIREMENTS ARE AS FOLLOWS:
1. A WATER MAIN SHALL NOT BE PLACED:
- A. WITHIN SIX (6) FEET, HORIZONTAL DISTANCE, AND BELOW TWO (2) FEET, VERTICAL DISTANCE, ABOVE THE TOP OF A SEWER MAIN UNLESS EXTRA PROTECTION IS PROVIDED. EXTRA PROTECTION SHALL CONSIST OF CONSTRUCTING THE SEWER MAIN WITH MECHANICAL JOINT DUCTILE IRON PIPE OR WITH SLIP-JOINT DUCTILE IRON PIPE IF JOINT RESTRAINT IS PROVIDED. ALTERNATE EXTRA PROTECTION SHALL CONSIST OF ENCASING BOTH THE WATER AND SEWER MAINS IN AT LEAST SIX (6) INCHES OF CONCRETE FOR AT LEAST TEN (10) FEET BEYOND THE AREA COVERED BY THIS SUBSECTION C(1)(A).
- B. WITHIN TWO (2) FEET HORIZONTALLY AND TWO (2) FEET BELOW THE SEWER MAIN.
2. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND MANHOLES SHALL BE SIX (6) FEET, MEASURED FROM THE CENTER OF THE MANHOLE.
3. THE MINIMUM SEPARATION BETWEEN FORCE MAINS OR PRESSURE SEWERS AND WATER MAINS SHALL BE TWO (2) FEET VERTICALLY AND SIX (6) FEET HORIZONTALLY UNDER ALL CONDITIONS. WHERE A SEWER FORCE MAIN CROSSES ABOVE OR LESS THAN SIX (6) FEET BELOW A WATER LINE, THE SEWER MAIN SHALL BE ENCASED IN AT LEAST SIX (6) INCHES OF CONCRETE OR CONSTRUCTED USING MECHANICAL JOINT DUCTILE IRON PIPE FOR TEN (10) FEET ON EITHER SIDE OF THE WATER MAIN.
4. THE SEPARATION REQUIREMENTS DO NOT APPLY TO BUILDING, PLUMBING, OR INDIVIDUAL HOUSE SERVICE CONNECTIONS.
2. SEWER COLLECTION SYSTEM SHALL BE TESTED IN ACCORDANCE WITH AAC R 18-9-E301D, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- A. AS PER A.A.C. R18-9-E301(D)(2)(I), "PERFORM A DEFLECTION TEST OF THE TOTAL LENGTH OF THE SEWER LINES OF FLEXIBLE MATERIALS TO ENSURE THAT THE INSTALLATION MEETS OR EXCEEDS THE MANUFACTURER'S RECOMMENDATIONS AND RECORD THE RESULTS.
- B. AS PER A.A.C. R18-9-E301(D)(2)(J)(I), "EACH SEGMENT OF THE SEWER LINE WILL BE TESTED FOR LEAKAGE BY THE FOLLOWING METHOD "STANDARD TEST METHOD FOR INSTALLATION ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR" PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS, (F 1417-92), REAPPROVED 1998;"
- C. AS PER A.A.C. R18-9-E301(D)(2)(K), "TEST THE TOTAL LENGTH OF THE SEWER LINE FOR UNIFORM SLOPE BY LAMP LIGHTING, REMOTE CAMERA OR SIMILAR METHOD APPROVED BY THE DEPARTMENT, AND RECORD THE RESULTS;"
- D. AS PER A.A.C. R18-9-E301(D)(3)(F)(I) "WATER-TIGHTNESS TESTING BY FILLING THE MANHOLE WITH WATER. THE APPLICANT SHALL ENSURE THAT THE DROP IN WATER LEVEL DOES NOT EXCEED 0.001% OF TOTAL MANHOLE VOLUME IN ONE HOUR. OR,
- E. AS PER A.A.C. R18-9-E301(D)(3)(F)(II) AIR PRESSURE TESTING USING THE "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE AIR PRESSURE (VACUUM) TEST," PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS, 1244-93), APPROVED AUGUST 15, 1993. THIS MATERIAL IS INCORPORATED BY REFERENCE, DOES NOT INCLUDE ANY LATER AMENDMENTS OR EDITIONS OF THE INCORPORATED MATTER, AND IS ON FILE WITH THE OFFICE OF THE SECRETARY OF STATE. THE MATERIAL MAY BE VIEWED AT THE DEPARTMENT OF ENVIRONMENTAL QUALITY, WATER QUALITY DIVISION, OR OBTAINED FROM THE AMERICAN SOCIETY FOR TESTING AND MATERIALS, 100 BARR HARBOR DRIVE, CONSHOHOCKEN, PA 19428-2959."
3. ALL SANITARY GRAVITY SEWER MAINLINE PIPE SHALL BE 8" GRAVITY POLYVINYL CHLORIDE (PVC) SDR-35 OR DUCTILE IRON, GASKETED PIPE, IN ACCORDANCE WITH THE MAG SPECIFICATION. A CERTIFICATE SHALL BE PROVIDED TO THE ENGINEER. THE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM STANDARD SPECIFICATION. TESTING IN ACCORDANCE WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY BULLETIN NO. 11.
4. ALL STREETS ON THE PROJECT SHALL BE ROUGH-GRADED AND CERTIFIED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF SEWER AND WATER EXCAVATION. ROUGH GRADES SHALL BE WITHIN 0.5' OF DESIGN GRADE.
5. THE CONTRACTOR SHALL INSTALL SEWER SERVICES AWAY FROM ANY NATURAL OR PLANNED DRAINAGEWAYS.
6. NO CHANGES TO THE SET OF PLANS APPROVED FOR CONSTRUCTION OF SEWER FACILITIES WILL BE ALLOWED UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE PROJECT ENGINEER AND THE CITY OF SHOW LOW CITY ENGINEER.
7. ALL SEWER LINES SHALL HAVE MINIMUM COVER OF 3 FEET OVER THE TOP OF THE PIPE. MAXIMUM DEPTH 5 FEET EXCEPT AT WATER LINE CROSSINGS OR REQUIRED BY DESIGN.
8. LEAKAGE TESTING SHALL BE PERFORMED ON THE SYSTEM UTILIZING AWWA STANDARD C600, TEST PRESSURE.
9. PRIOR TO FINAL ACCEPTANCE THE CONTRACTOR SHALL REQUEST A VIDEO SURVEY OF THE ENTIRE GRAVITY SEWER SYSTEM FROM THE CITY OF SHOW LOW. ANY OFFSETS, BREAKS, BELLIES, TWISTED GASKETS, INFILTRATION OF MATERIAL OR INSTALLATION DEFICIENCIES SHALL BE REPAIRED BY THE CONTRACTOR AND THE SEWER LINE RE-VIDEOED TO CONFIRM REPAIRS. COST FOR RE-VIDEO SHALL BE BORN BY THE CONTRACTOR.
10. SHORT TERM DEFLECTION TESTING OF 100% OF PVC SEWER PIPE MUST BE PERFORMED. SHORT TERM DEFLECTION IN EXCESS OF 5% SHALL BE CONSIDERED UNSERVICEABLE AND SHALL BE REPAIRED AND RE-TESTED.

WATER (CITY OF SHOW LOW)

1. ALL PIPE USED FOR WATER MAINS SHALL BE AWWA C900 (4"-12") AWWA C905 (14"-36") PVC POTABLE WATER PIPE, SINGLE GASKET, INTEGRAL BELL, 200 PSI MINIMUM WORKING PRESSURE, DR 14 OR DR 18. ALL PVC PLASTIC PIPE SHALL BE APPROVED BY THE NATIONAL SANITATION FOUNDATION.
2. PVC AND FITTINGS USED IN FIRE HYDRANT INSTALLATIONS SHALL BE CEMENT MORTAR LINED, STANDARD THICKNESS AND BITUMINOUS COATED AND POLYWRAPPED IN ACCORDANCE WITH AWWA C104, TYTON TYPE, MECHANICAL JOINT OR C.I. - PVC (C-900) TYPE. ALL FIRE HYDRANTS SHALL BE MUELLER OR WATEROUS.
3. ALL VALVES SHALL CONFORM TO THE LATEST REVISIONS OF AWWA C-500, SUPPLEMENTED AS FOLLOWS: VALVES SHALL BE RESILIENT WEDGE GATE VALVES, WATEROUS OR MULLER DESIGNED TO WORK EQUALLY WELL WITH PRESSURE ON EITHER SIDE OF THE GATE. SHALL BE NON-RISING STEM TYPE AND SHALL BE LEFT HAND-OPENING, COUNTER-CLOCKWISE. ALL INTERIOR FERROUS SURFACES EXPOSED TO FLUIDS FLOW SHALL BE FACTORY COATED WITH A TWO PART THERMO-SETTING EPOXY COATING TO A MINIMUM THICKNESS OF 4 MLS. VALVE SHALL HAVE A 2" OPERATING NUT UNLESS OTHERWISE SPECIFIED. EXTEND NUT TO WITHIN 5' OF BOX COVER.
4. ALL WATER VALVE BOX TYPES TO BE PER M.A.G. STD. DET. 391-1. VALVES IN ASPHALT AREAS OR AREAS SUBJECT TO WHEEL LOADS SHALL BE TYPE 'A'. LOCATION OF ALL WATER VALVES MUST BE REFERENCED AT ALL TIMES DURING CONSTRUCTION BY THE CONTRACTOR.
5. WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH ADEQ ENGINEERING BULLETIN NO. 8, "DISINFECTION OF WATER SYSTEMS."
6. ALL MAINS AND SERVICES SHALL HAVE TRACING WIRE, 14 GAUGE MINIMUM, SINGLE STRAND, DIRECT BURY COPPER WIRE. TRACE WIRE SHALL BE SUBJECT TO A TRACTABILITY TEST.
7. WATER MAINS SHALL BE SUBJECT TO A PRESSURE AND LEAKAGE TEST IN ACCORDANCE WITH PVC C 605-94/05 STANDARD.
8. A 4' MINIMUM COVER SHALL BE PROVIDED FROM FINISHED GRADE TO TOP OF WATER LINES FOR LINES LARGER THAN 8" AND 3' MINIMUM COVER FOR LINES 8" OR SMALLER.
9. ALL FACILITIES AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE PUBLIC WORKS DIRECTOR OF THE CITY OF SHOW LOW, TO INSURE THE PROPER AND ORDERLY DEVELOPMENT OF THE PUBLIC WATER SYSTEM.
10. ALL SPECIFICATIONS SHALL BE SUBJECT TO THE INTERPRETATION OF THE ENGINEER OF THE CITY OF SHOW LOW. ALL MATERIALS SHALL BE INSPECTED BY THE PUBLIC WORKS DIRECTOR AND THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL OF THEIR OF THEIR ACCEPTANCE BEFORE INSTALLING THE MATERIALS.
11. NO CHANGES TO THE SET OF PLANS APPROVED FOR CONSTRUCTION OF WATER FACILITIES WILL BE ALLOWED UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE PROJECT ENGINEER AND THE CITY OF SHOW LOW CITY ENGINEER.
12. ALL DEAD-ENDS SHALL BE PLUGGED OR CAPPED AND FITTED WITH BLOW-OFFS IN ACCORDANCE WITH CITY OF SHOW LOW STANDARDS.
13. IF THRUST BLOCKS ARE INSTALLED, ENGINEER MUST PROVIDE DESIGN CALCULATIONS BASED ON ALLOWABLE SOIL PRESSURES FOR ON-SITE SOILS. RESTRAINED JOINTS ARE PREFERRED OVER THRUST BLOCKS. ENGINEER TO PROVIDE RESTRAINED LENGTH CALCULATIONS.
14. ALL WATER AND SEWER MAINS MUST MAINTAIN VERTICAL AND HORIZONTAL SEPARATION PER MAG SECTION 404.
15. CITY OF SHOW LOW WATER SYSTEM VALVES SHALL NOT BE OPERATED BY ANYONE OTHER THAN CITY OF SHOW LOW PERSONNEL.
16. THE CONTRACTOR SHALL INSTALL WATER SERVICES AWAY FROM ANY NATURAL OR PLANNED DRAINAGEWAYS.
17. ALL PIPES AND APPURTANCES THAT COME INTO CONTACT WITH POTABLE WATER BE NSF-61 APPROVED AND BEAR THE NSF-PW SEAL.
18. ALL WATER COMPONENTS SHALL BE LEAD FREE IN ACCORDANCE WITH A.A.C. R18-4-504.

DRAINAGE/STORMWATER

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION AND SUBMITTAL OF A STORMWATER POLLUTION PREVENTION PLAN TO ALL APPROPRIATE GOVERNING AGENCIES. CONTRACTOR TO PROVIDE NOTICE OF INTENT TO CITY OF SHOW LOW PRIOR TO CONSTRUCTION.

"NAMED BY THE TURN OF A CARD"



CITY OF SHOW LOW

CITY OF SHOW LOW
ENGINEERING DIVISION

180 N. 9th Street
Show Low, Arizona 865901
Ph. (928) 532-4050
Fax (928) 532-4009

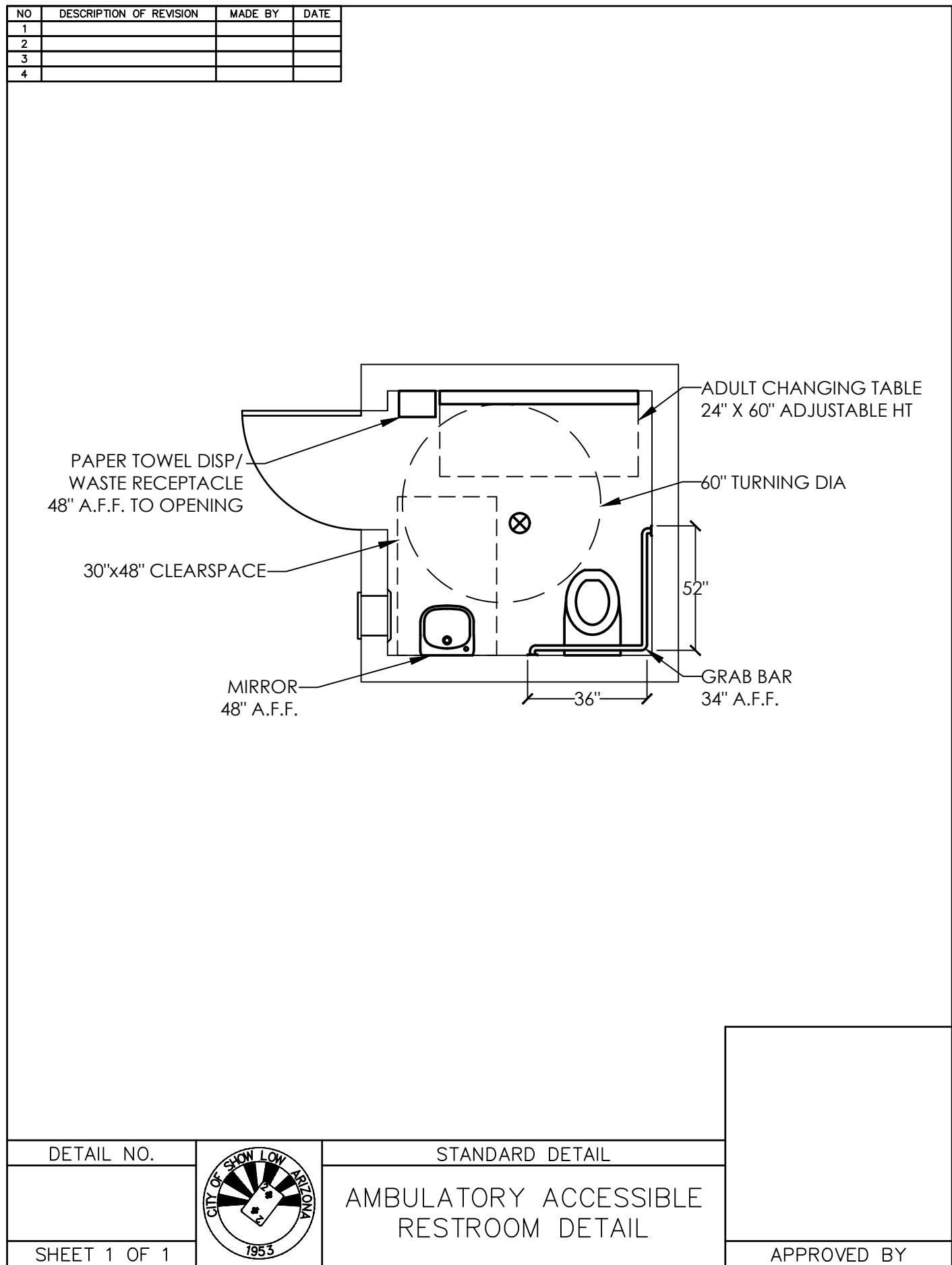
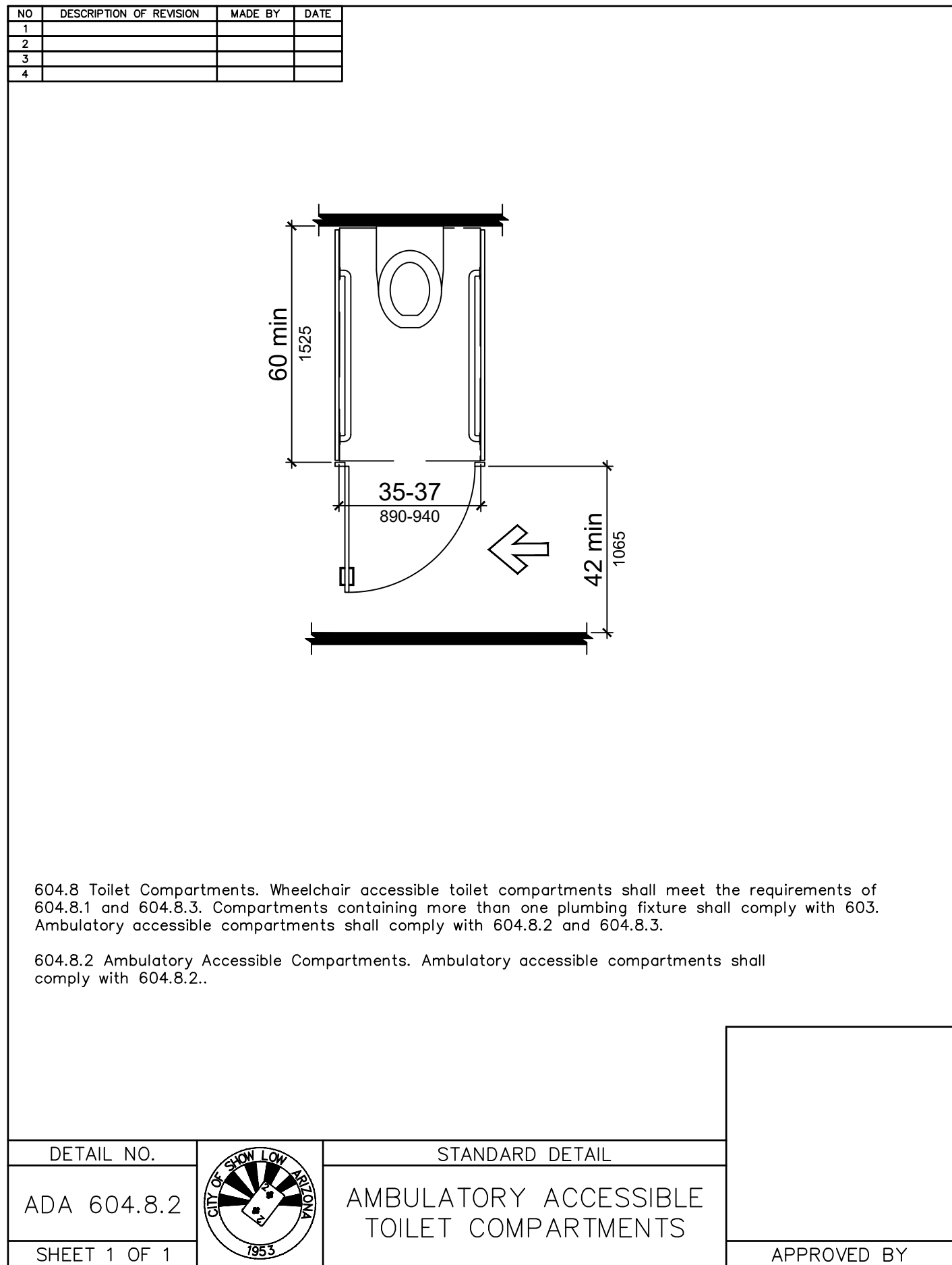
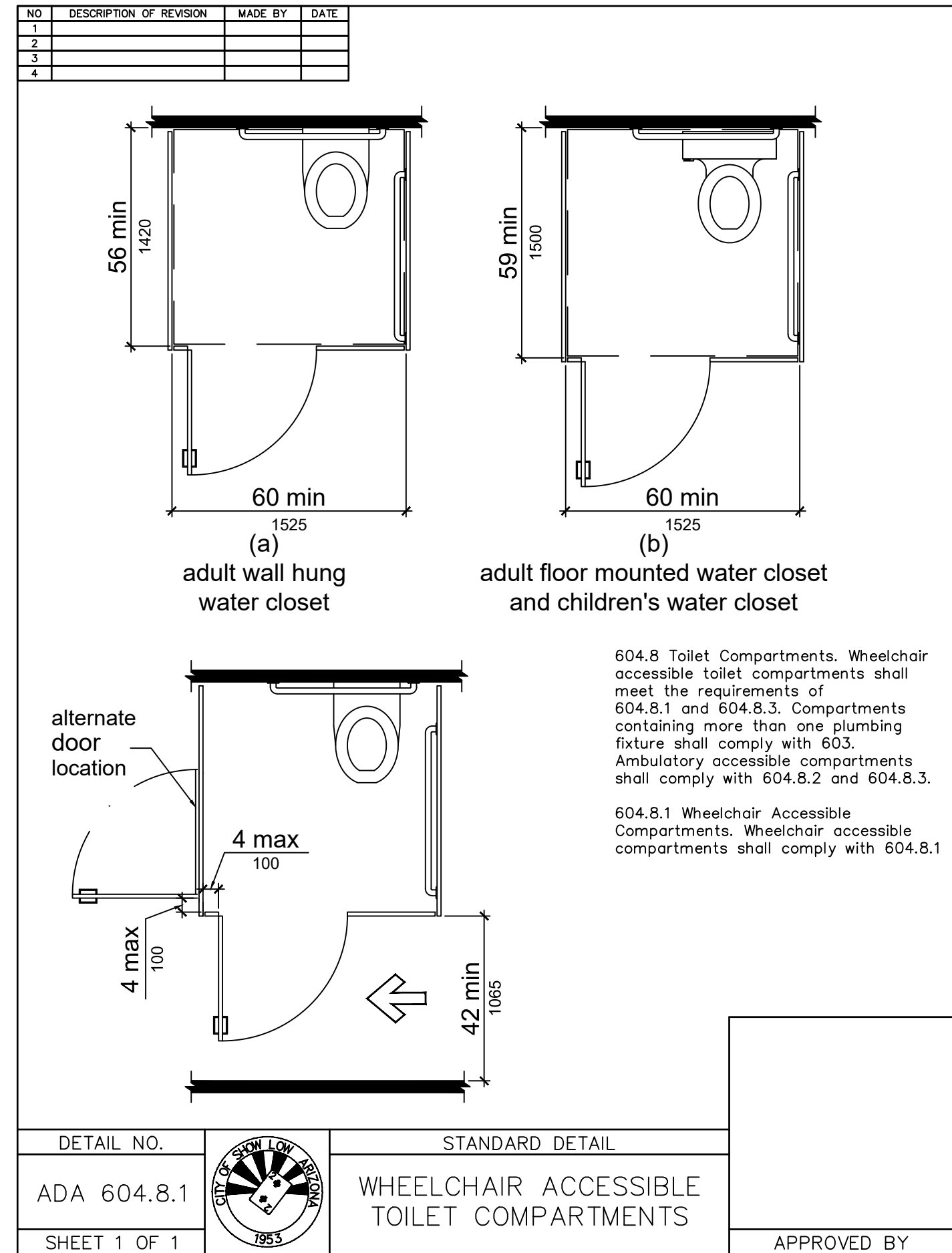
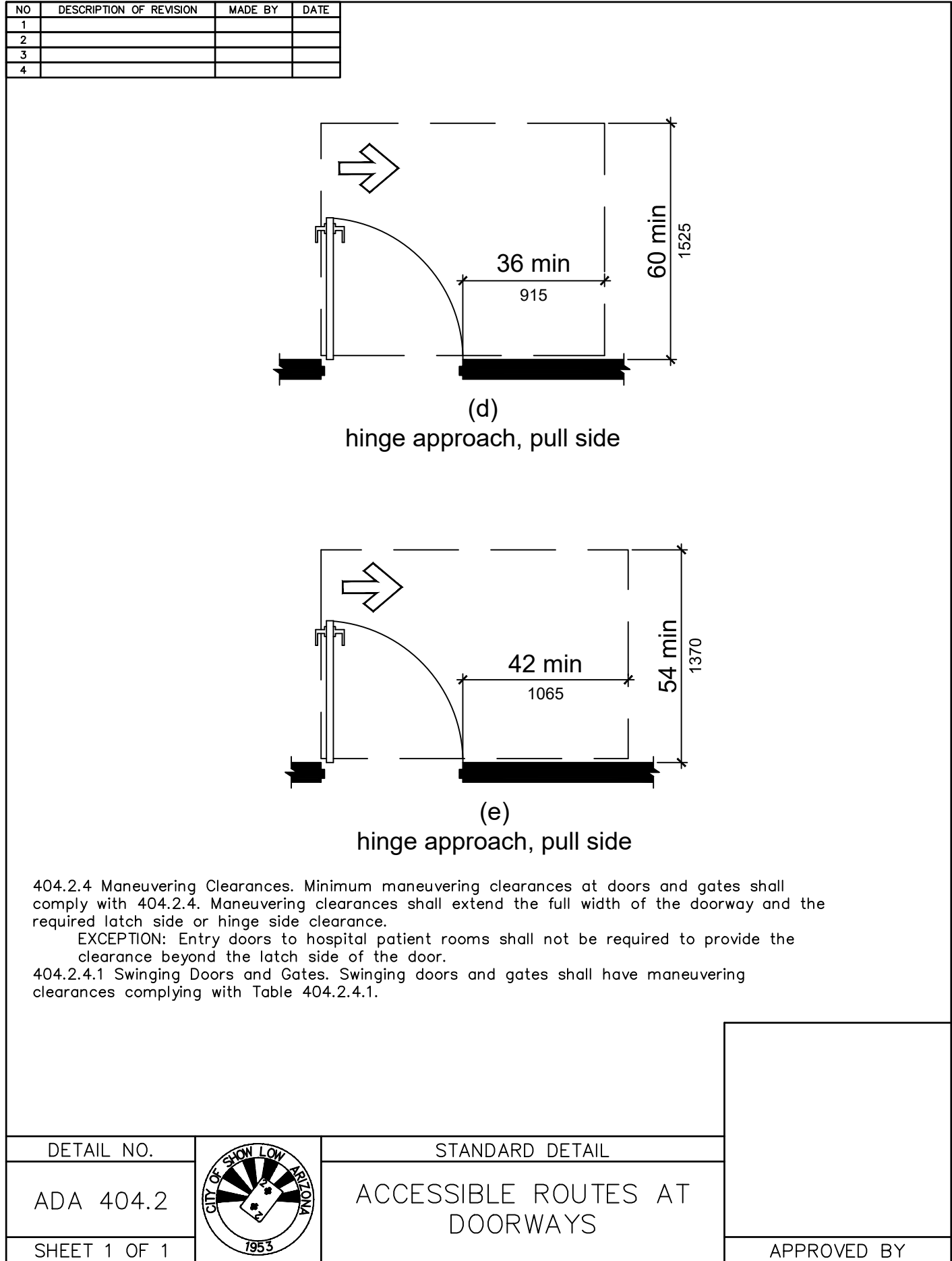
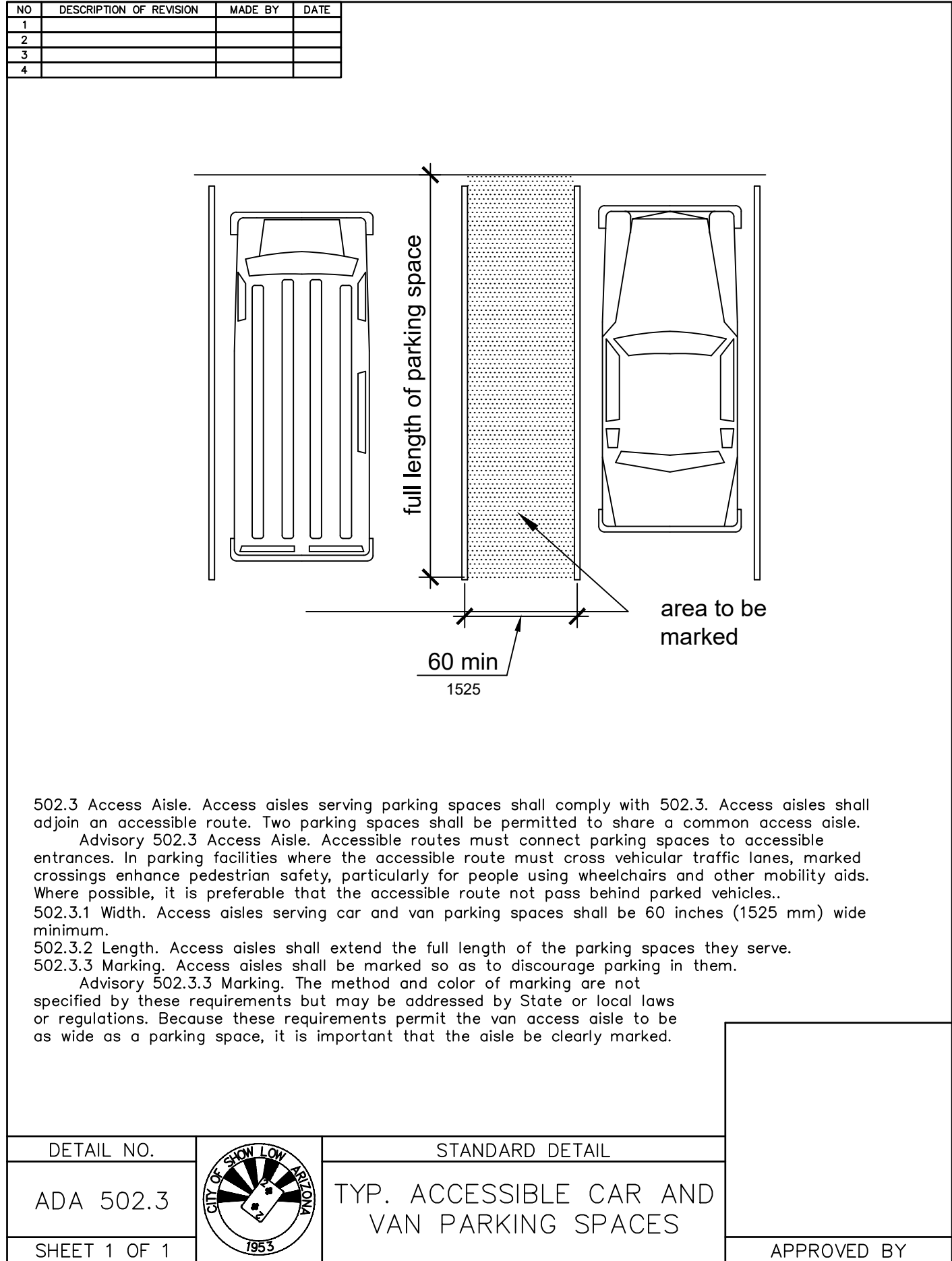
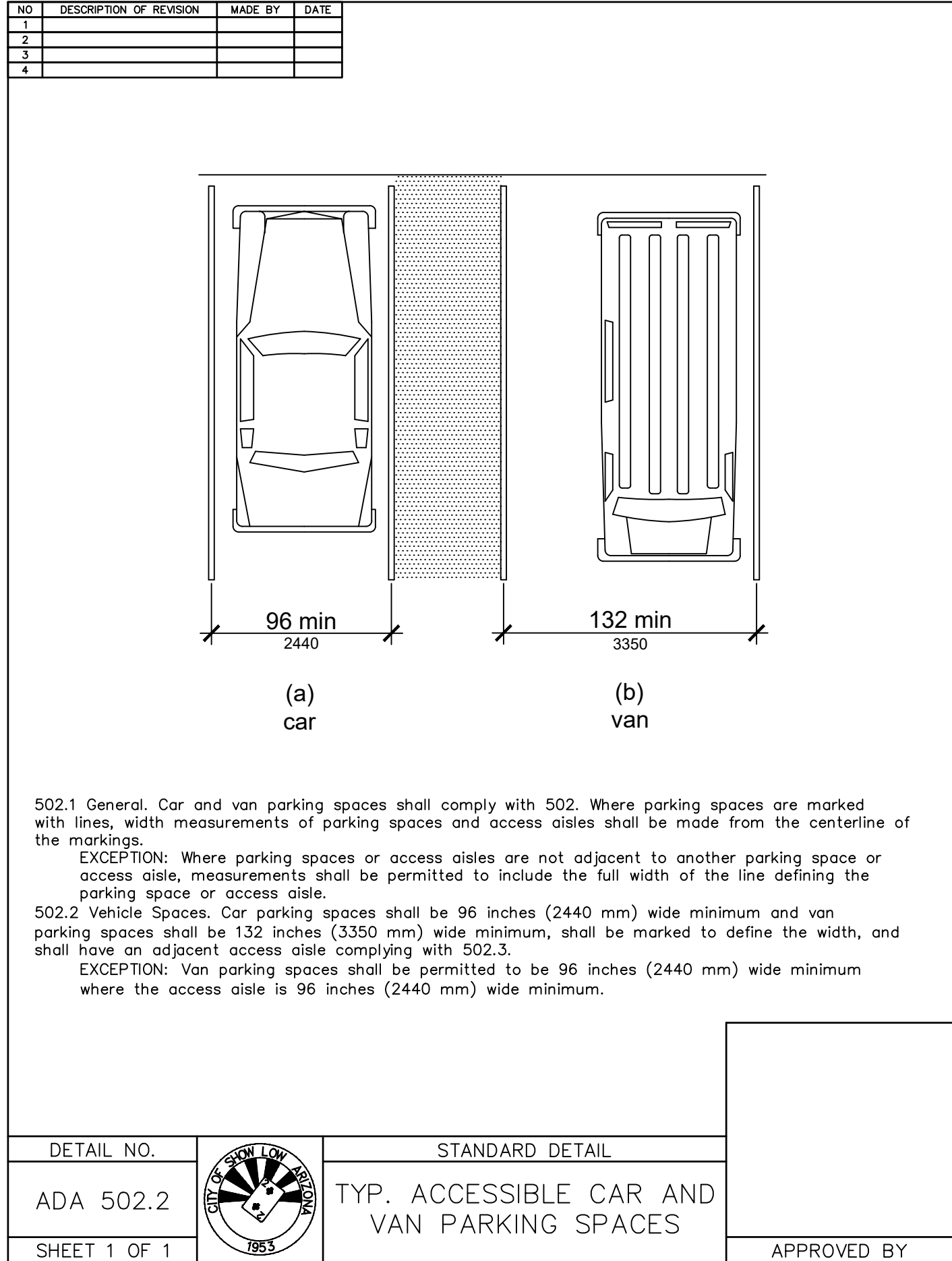
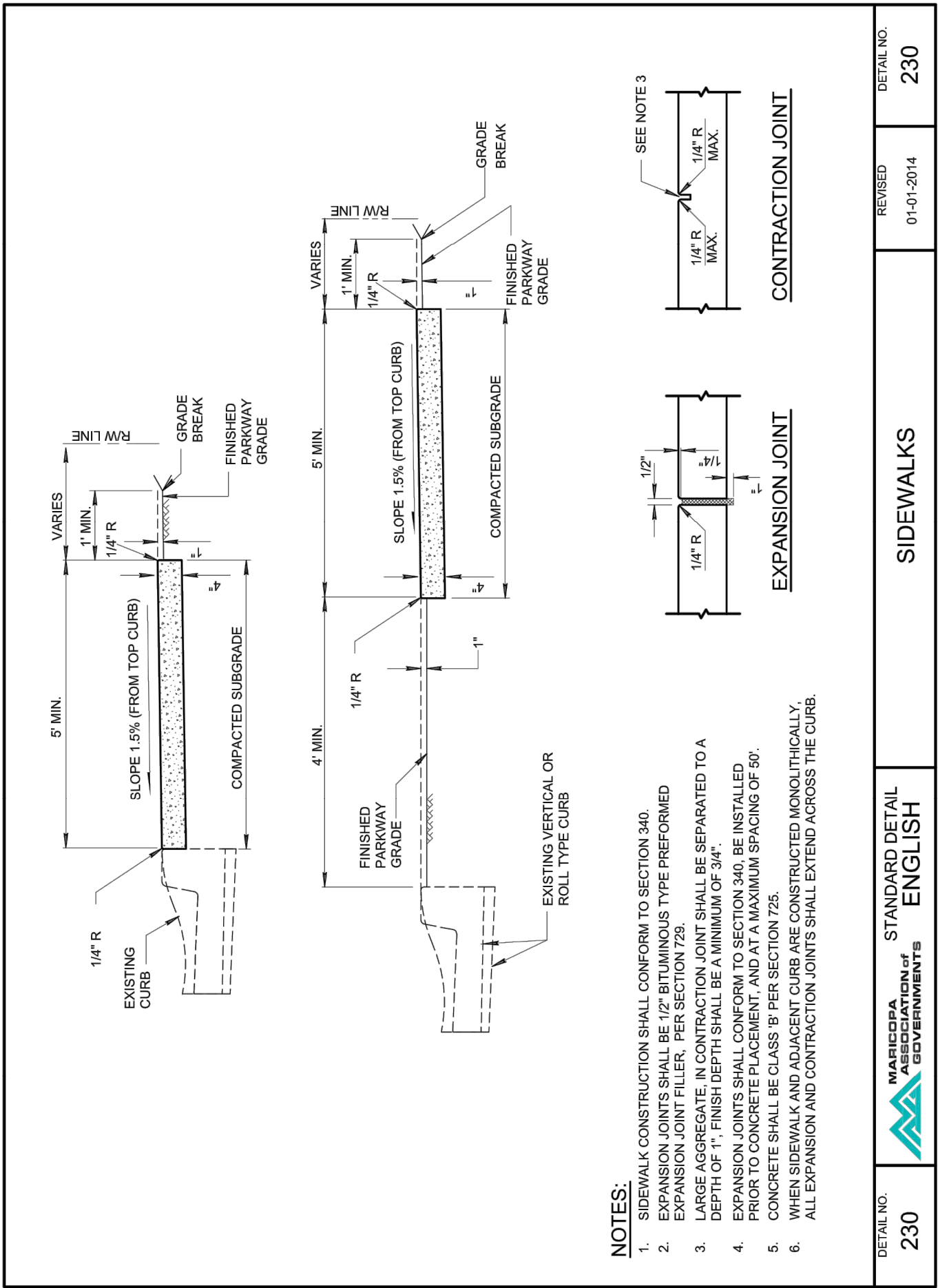
NOTES SHEET

PUBLIC RESTROOM
At Show Low City Park

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ENGINEERING DIVISION

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Show Low, Arizona 86501
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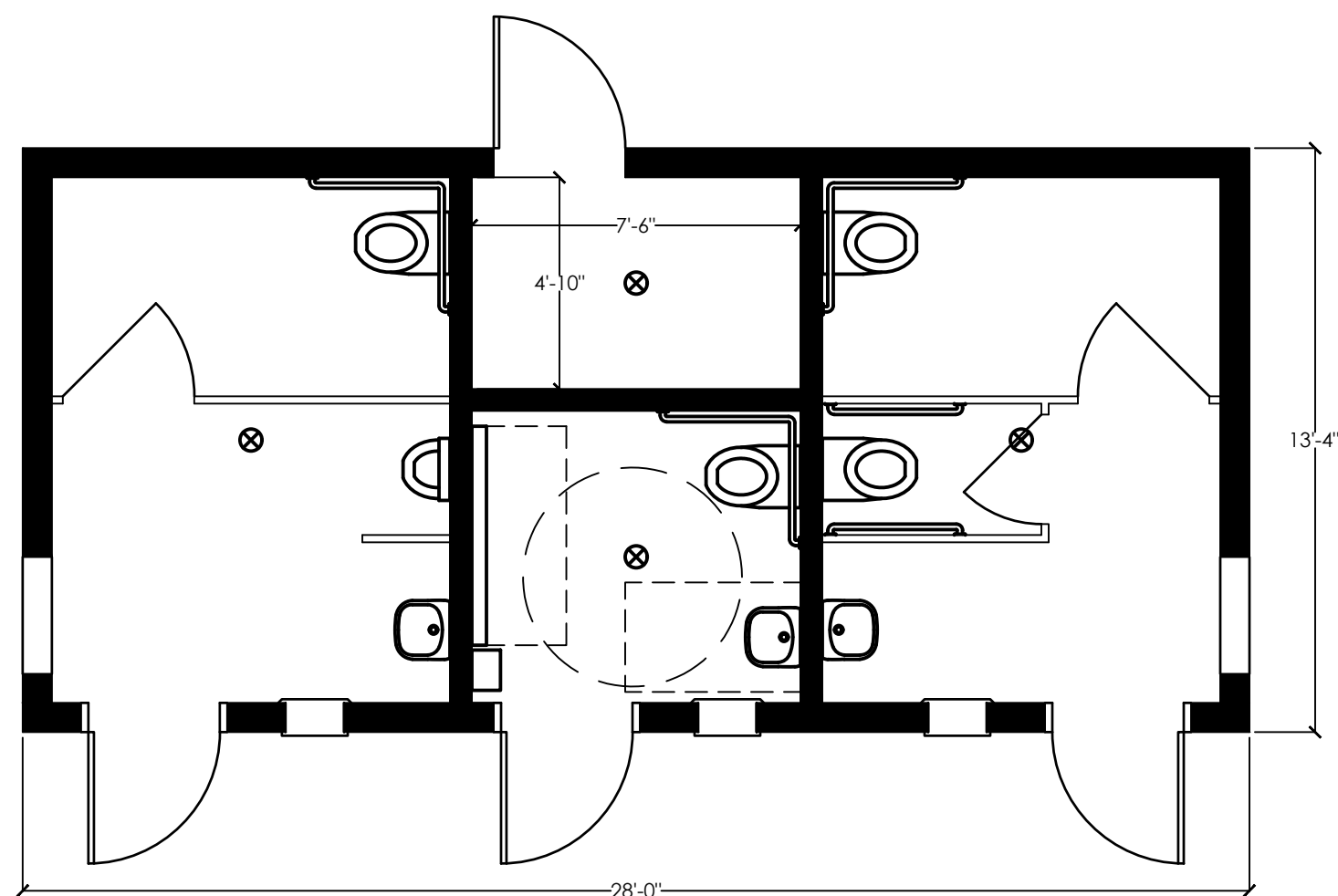
DETAILS SHEET

PUBLIC RESTROOM
At Show Low City Park

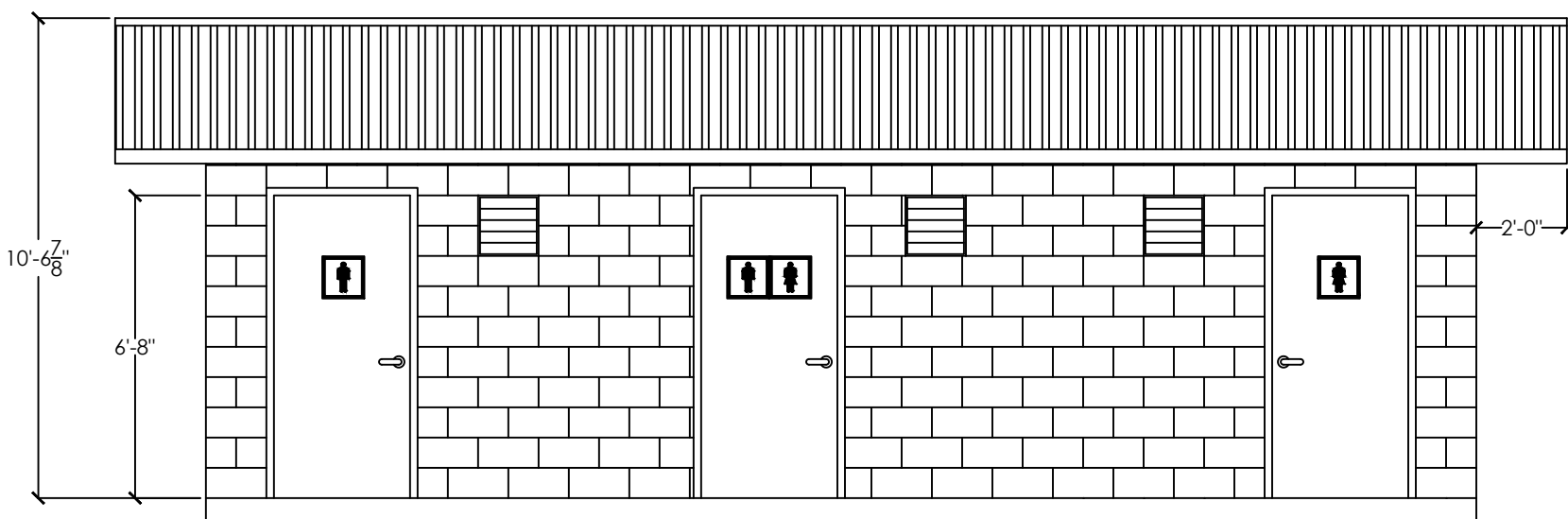
DRN: TCJ	DATE: 09/2021	JOB NO.	SHEET
DES: TCJ	DATE: 09/2021	FM-1922A	3 OF 5
CHD: SMH	DATE: 09/2021	DRAWING NAME: CDBG RESTROOMS.dwg	

Arizona Professional Engineer
48270
SHANE
HEMESATH
State of Arizona
Expires: 9-30-23

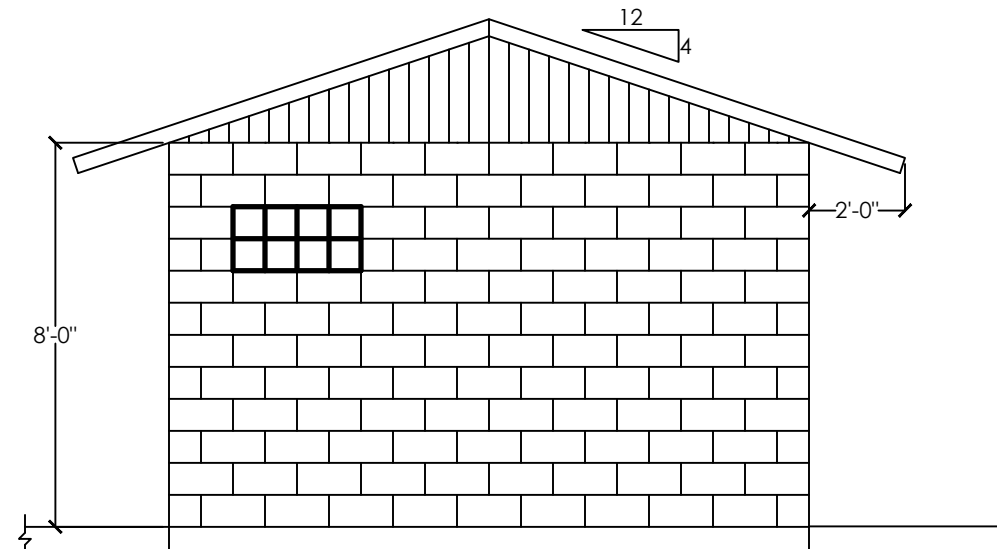
OLD PAVILION RESTROOM REBUILD



FLOOR PLAN
SCALE: 1/4" = 1'-0"



FRONT ELEVATION
SCALE: 1/4" = 1'-0"



RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



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ENGINEERING DIVISION

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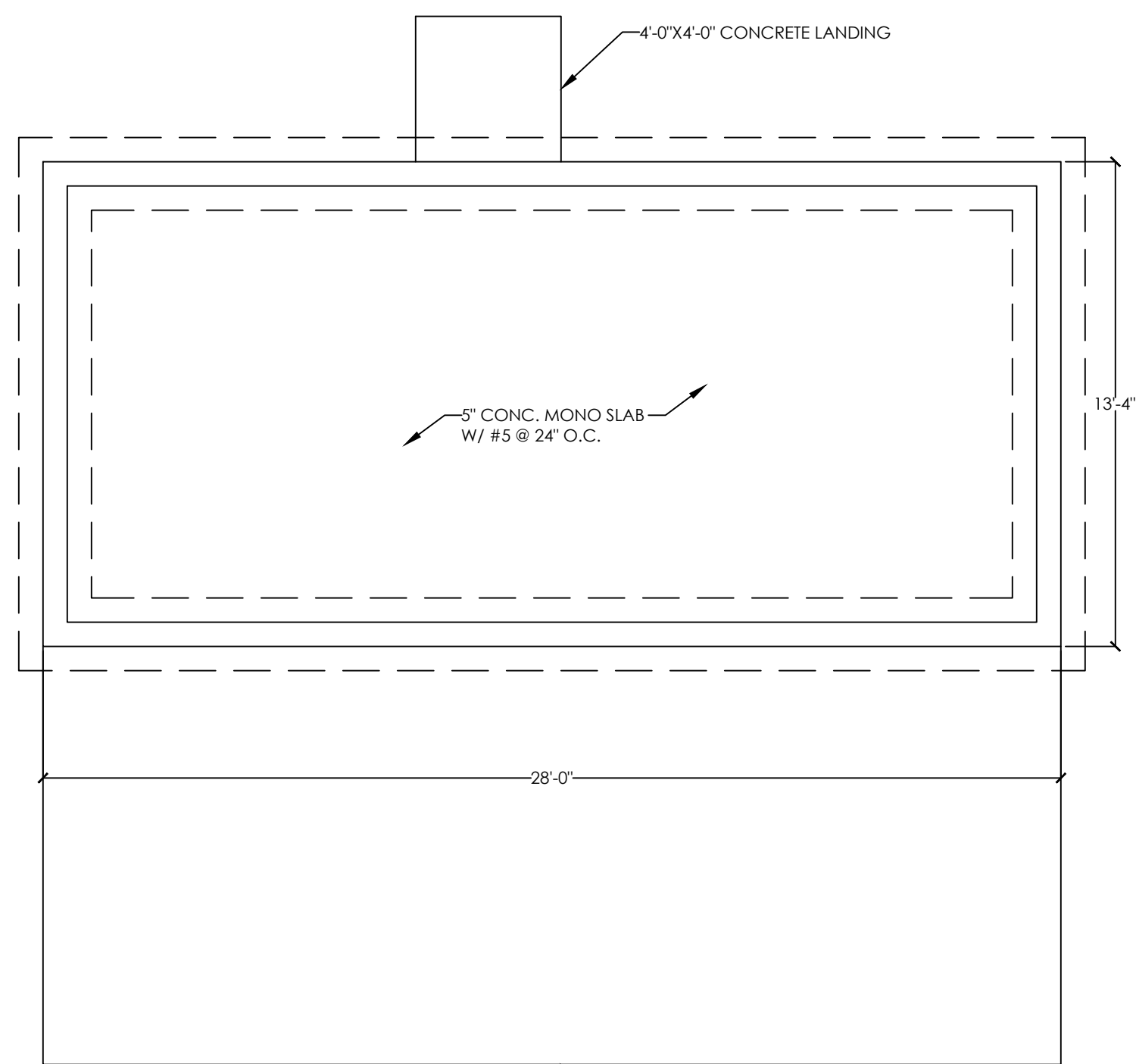
OLD PAVILION RESTROOM

PUBLIC RESTROOM
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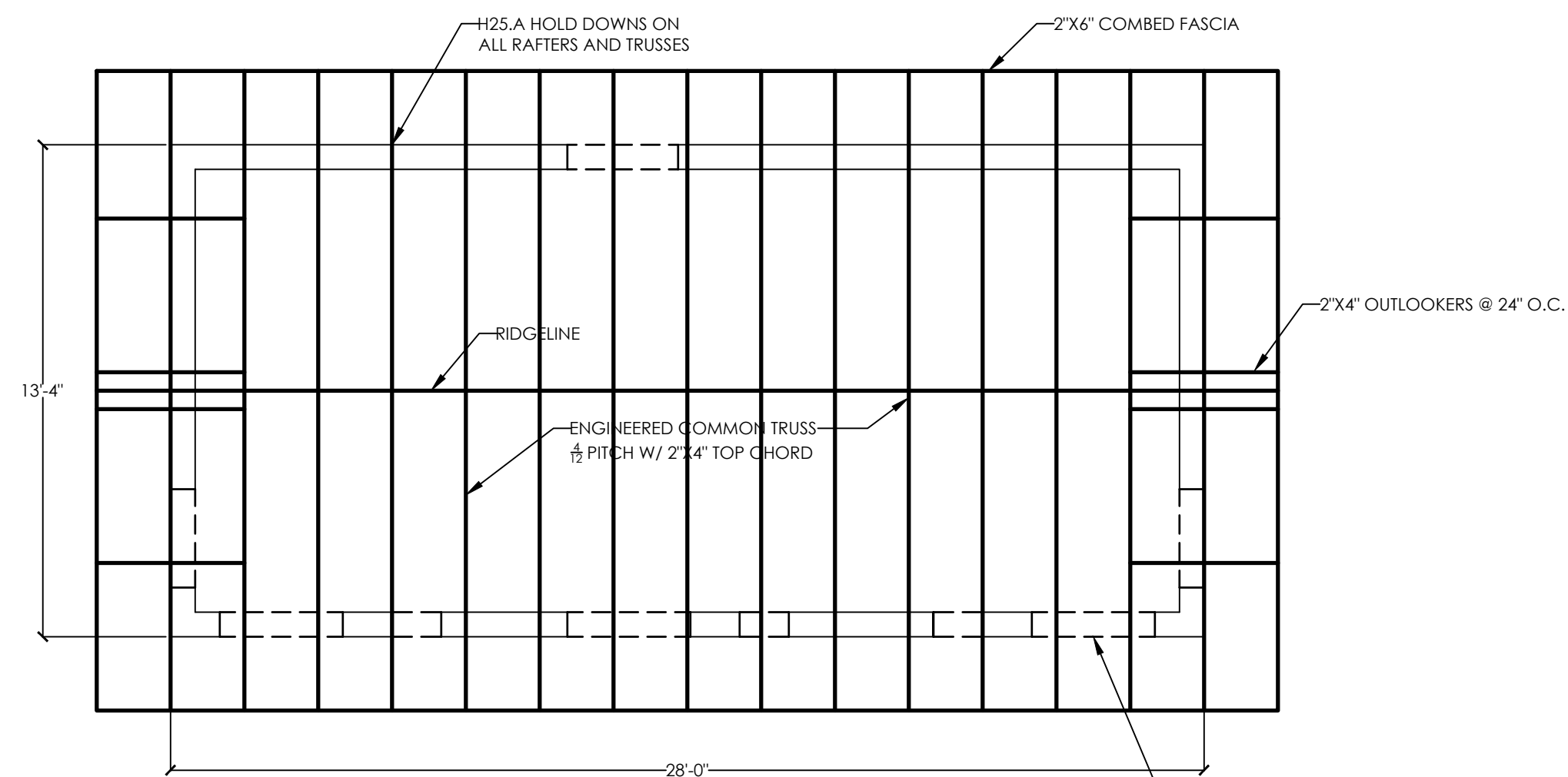
DRN: TCJ	DATE: 09/2021	JOB NO.	SHEET
DES: TCJ	DATE: 09/2021	FM-1922A	4 OF 5
CHD: SMH	DATE: 09/2021	DRAWING NAME: CDBG RESTROOMS.dwg	

NOTE: THIS DRAWING IS FOR
GENERAL INFORMATION ONLY.
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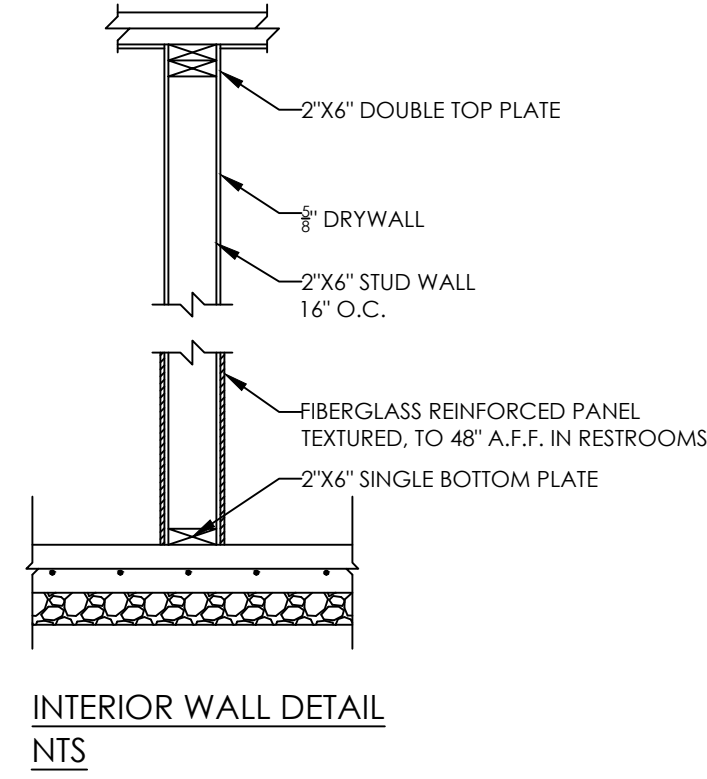




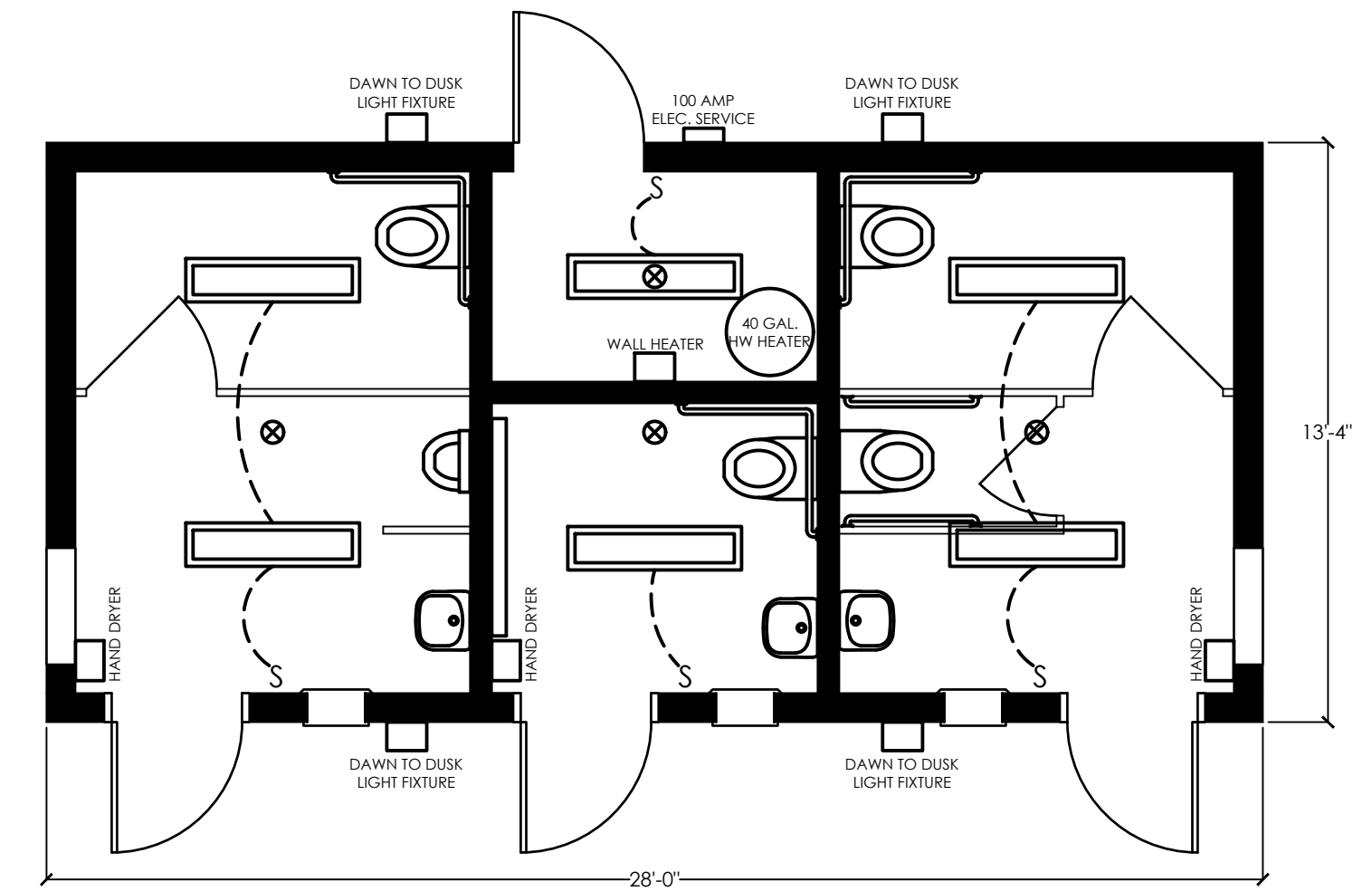
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



INTERIOR WALL DETAILS



ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

General Notes:

GENERAL

1. Contractor shall verify all dimensions and job site conditions before commencing work and shall report any discrepancies to the architect or engineer.
2. Use written dimensions. Do not use scaled dimensions. Where no dimension is provided, consult the architect or engineer for clarification before proceeding with the work.
3. The design, adequacy, and safety of erection bracing, shoring, temporary supports, etc., is the sole responsibility of the contractor and has not been considered by the engineer. The contractor is responsible for the stability of the structure prior to completion of all shear walls, roof, and floor diaphragms and finish materials.

DESIGN CRITERIA:

1. CODE: International Building Code, 2018 Edition.
2. VERTICAL LIVE LOADS: Roof - 40 psf
3. LATERAL LOADS: Wind - 90 mph, Exp. C, Seismic - Zone B
4. FOOTINGS: Allowable Soil Bearing - 1500 psf

FOUNDATION:

1. The building is supported on continuous footings and isolated pads bearing in undisturbed natural soils.
2. The bottom of all footings and slabs to bear on native, inorganic, undisturbed soil 1'-0" min. below existing grade.
3. Extend all new exterior footing 2'-0" min. below finished grade.
4. Contractor shall provide temporary shoring to prevent movement of walls if backfill is placed before the floor system, slab, or counterfort walls are in place.
5. There shall be a minimum of 95% compaction (ASTM D1557 Modified Proctor Density) of all backfill soil under slabs on grade.

CAST-IN-PLACE CONCRETE:

1. CONCRETE:
 - 1.1. $f_c = 3000$ psi at 28 days, normal weight.
 - 1.2. Max. slump = 3" for slabs and footings, 4" for walls, columns, and beams
 - 1.3. Curing compound = ASTM C309, Type 2, Class B
 - 1.4. Construction to be in accordance with ACI 318-83.
 - 1.5. Location of construction or pour joints must be approved by the engineer if different from those shown on these drawings.
 - 1.6. Concrete shall be air-entrained and shall conform to section 3.4.1, of ACI 301-84 for durability.
2. REINFORCING STEEL:
 - 2.1. ASTM A615 - Grade 40 for #3 & #4, Grade 60 for #5 and larger.
 - 2.2. Provide clear embedment of rebar as designated in ACI-318.

STRUCTURAL STEEL:

1. Shapes, plates, and bars: ASTM A36, FY = 36 ksi
 - 1.1. Pipe: ASTM A53 or A501, FY = 35 ksi, min.
 - 1.2. Tubes: ASTM A500, Grade B, FY = 46 ksi
2. Bolts: ASTM A307 machine bolts unless otherwise indicated as A325 high strength bolts
3. Welding Electrode or Wires: AWS A5.1 or A5.5, E70XX; AWS A5.18, E70S-X. Welding shall conform to AWS Code for Arc and Gas Welding in Buildings. All welding shall be performed by a certified welder.

WOOD

1. Sawn lumber: No 2 & Better Douglas Fir/Larch, WWPA grading rules.
- 1.1. Glue-laminated members: Simple Span beams: 24F-V4, Continuous or Cant. Beams/; 24F-V8
- 1.2. Logs: Beams, Purlins, Joists, and Tie Logs: 12" dia. and less - Lodgepole Select [U.N.O.], 13" dia. and less - Spruce Select [U.N.O.]
2. Sheathing: APA approved sheathing
3. Framing Anchors and Connectors: "Simpson" or approved equal as indicated on these drawings.
4. For nailing not shown on these drawings, use UBC Nailing Schedule, Table 23-I-Q.

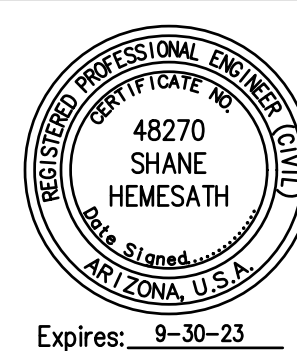
BUILDING FINISH SCHEDULE		
LOCATION	MATERIAL	COLOR
EXTERIOR WALL	SPLIT-FACE CMU	BROWN
FLOOR	SMOOTH AND SEALED CONCRETE	TAN
ROOF	STANDING SEAM METAL	FOREST GREEN
EXTERIOR GABLE	VERTICAL SEAM METAL SIDING	COLOR TO MATCH ROOF

Building Material Schedule

<u>Item</u>	<u>Material Description</u>
Exterior Wall	Split Face CMU - Brown
Interior Wall Structural	CMU - Painted - Light Tan
Interior Wall	Drywall - Painted - Light Tan
Foundation	Concrete slab on grade. Construct on prepared pad - Smooth finish and sealed - install shower drain in each room (3) - slope to drain
Building Utilities	Contractor connect to utilities stubbed (by others) to 5' from building
Roof	Manufactured trusses - 5/8" OSB sheathing - 26 ga. (min.) standing seam Forest Green - flashing - continuous gutter - perimeter drip edge - ridge cap with vent
Insulation	R-20 in Ceiling
Exterior Doors	Hollow Metal Exterior Rated - Steel Frame

Note: All materials and construction shall comply with ADA and all applicable City, State, and Federal codes.

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OLD PAVILION RESTROOM

PUBLIC RESTROOM
At Show Low City Park

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